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Hess

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(54) **APPARATUS AND METHODS FOR
TETHERED AERIAL PLATFORM AND
SYSTEM**

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(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A drone system includes a drone that includes a propulsion system, a flight stabilizer system, and an air payload interface unit, and a camera system, wherein the camera system includes a camera stabilizing unit, and a ground support system to which the drone is detachably coupled through a tether unit, and for providing electrical power to the propulsion system. The drone system further includes a ground payload interface unit for receiving and transmitting command and telemetry information to the air payload interface unit through the tether unit, and a controlling device for controlling the propulsion system and the camera system through the tether unit.

18 Claims, 5 Drawing Sheets

